

Table of Maximum and Minimum Temperatures for June, 1882.

State or Territory.	Signal Service.			U. S. Army Post Surgeons or Voluntary Observers.		
	Station.	Max.	Min.	Station.	Max.	Min.
Alabama.....	Mobile.....	100	61	State Line.....	105	43
Do.....	Montgomery.....	103	61	Calera.....	111	43
Arizona.....	Tucson.....	106	61	Texas Hill.....	111	43
Do.....	San Carlos.....	106	61			
Do.....	Fort Apache and Prescott.....	98	36			
Arkansas.....	Fort Smith.....	101	60	Madison.....	103	36
Do.....	Little Rock.....	98	55	Arkansas City, Prescott, and Walnut Ridge.....	103	36
				Borden and Mammoth Tank.....	112	36
California.....	Red Bluff.....	103	41	Fort Lyon.....	100	30
Do.....	Campo.....	100	31	Fort Garland.....	95	32
Colorado.....	West Las Animas, Pike's Peak.....	47	2	Southington.....	98	32
Do.....	New Haven.....	91	46	Morrison.....	98	32
Connecticut.....	Fort Sully.....	95	33			
Dakota.....	Fort Stevenson.....	88	30			
Do.....	Del. Breakwater.....	93	51			
Delaware.....	Washington.....	93	51			
District of Columbia.....	Jacksonville.....	96	65			
Florida.....				Live Oak.....	100	62
Do.....				Fernandino and Waldo.....	1147	103
Georgia.....	Augusta and Savannah.....	97	56	Smithville.....	103	43
Do.....	Atlanta.....	96	34	Way Cross.....	103	43
Idaho.....	Lewiston.....	96	34	Madison.....	103	43
Do.....	Eagle Rock.....	93	34			
Illinois.....	Springfield.....	93	42	Charleston and Peoria.....	97	39
Do.....	Chicago.....	94	45	Riley.....	98	42
Indiana.....	Indianapolis.....	94	45	Lacoma.....	98	42
Do.....	Fort Supply.....	103	38	Lafayette.....	98	42
Indian Territory.....	Des Moines and Keokuk.....	92	41	Ames.....	98	42
Iowa.....	Dubuque.....	100	45	Clinton.....	98	42
Do.....	Dodge City.....	100	45			
Kansas.....				Manhattan and Yates Centre.....	97	52
Kentucky.....	Louisville.....	95	60	Bowling Green.....	97	52
Louisiana.....	Shreveport.....	101	59	Vermilionville.....	107	38
Do.....				Franklin.....	98	38
Maine.....	Portland.....	93	42			
Do.....	Eastport.....	97	53	Emmitsburg.....	96	45
Maryland.....	Baltimore.....	97	53	Somerset.....	96	40
Massachusetts.....	Boston.....	94	46	Heath.....	91	40
Do.....	Provincetown.....	88	37	Niles.....	91	40
Michigan.....	Port Huron.....	88	37			
Do.....	Escanaba.....	88	35			
Minnesota.....	St. Paul.....	88	35			
Do.....	Moorhead.....	99	67	Hernando.....	106	44
Mississippi.....	Vicksburg.....	99	46	Okolona.....	98	42
Do.....				Sedalia.....	98	287
Missouri.....	Springfield.....	98	46	Oregon.....		
Do.....						
Montana.....	Fort Keogh.....	96	32			
Do.....	Deer Lodge and Missoula.....	93	38			
Nebraska.....	Omaha.....	93	38	Fremont.....	95	28
Do.....	North Platte.....	92	36	Boca.....	92	42
Nevada.....	Winnemucca.....	92	36	New Market.....	96	42
Do.....				New Brunswick.....	96	50
New Hampshire.....	Mt. Washington.....	63	21	Vineland.....	96	32
New Jersey.....	Little Egg Harbor.....	96	30	Fort Union.....	96	32
Do.....	Atlantic City.....	96	30			
New Mexico.....	La Mesilla.....	105	42			
Do.....	Santa Fe and Silver City.....	97	44			
New York.....	New York City and Oswego.....	91	44	West Point.....	97	41
Do.....	Rochester.....	91	44	Factoryville and Madison Bar-racks.....	97	41
North Carolina.....	Charlotte.....	97	54			
Do.....	Smithville.....	96	46			
Ohio.....	Cincinnati.....	96	46	Westerville.....	97	40
Do.....	Cleveland and Toledo.....	101	44			
Oregon.....	Umatilla.....	101	44			
Do.....	Roseburg.....	97	45			
Pennsylvania.....	Pittsburg.....	97	45	Dyberry.....	93	45
Do.....	Eric.....	97	45			
Rhode Island.....	Newport.....	86	44	Fort Adams.....	93	45
Do.....	Narragansett Pier.....	86	44			
South Carolina.....	Charleston.....	97	63	Hardeville, King's Tree, Georges and Cheraw.....	100	38
Do.....				Allendale.....	103	38
Tennessee.....	Memphis.....	95	50	Milan.....	103	38
Do.....	Knoxville and Nashville.....	95	50	Corinth.....	103	38
Texas.....	Eagle Pass and El Paso.....	110	44			
Do.....	Fort Elliott.....	91	46	Fort Douglas.....	93	44
Utah.....	Salt Lake City.....	91	46	Woodstock.....	93	38
Vermont.....	Burlington.....	96	50	Johnsontown.....	98	45
Virginia.....	Norfolk.....	96	50	Snowville and Wytheville.....	98	45
Do.....	Chincoteague.....	96	50			
Washington Ter.....	Spokane Falls.....	94	39			
West Virginia.....	Morgantown.....	85	45	Helvetia.....	86	42
Wisconsin.....	Madison.....	87	40	Beloit.....	92	41
Do.....	Milwaukee.....	87	40	Franklin.....	92	41
Wyoming.....	Fort Washakie.....	90	33	Fort Bridger.....	92	20

Minnesota: Moorhead, 4th.

Montana: Fort Ellis 20th.

Nebraska: North Platte, 3d, 4th, 5th.

Nevada: Carson City, 7th, 21st, 22d.

New Hampshire: Mount Washington, 1st, 2d, 3d, 5th, 6th, 20th, 29th.

New York: Friendship, and Palermo, 2d, 12th.

New Mexico: Sante Fé, 13th.

Ohio: North Lewisburg, 2d; Westerville, 20th.

Pennsylvania: Meadville, 6th; Dyberry, 12th, 22d.

Rhode Island: Newport, 2d.

Utah: Coalville, 22d.

Vermont: Burlington, 2d, 12th; Woodstock, 12th, 30th.

Wisconsin: Milwaukee, 1st, slightly damaging tender plants; La Crosse, 5th; Embarrass, 1st, 11th.

Wyoming: Fort Washakie, 22d.

PRECIPITATION.

The distribution of rainfall in the United States and Canada, during the month of June, as determined from observations taken at more than six hundred stations, is exhibited on chart iii.

The table at the lower left-hand corner of the chart, shows the average rainfall of June in each district, as determined from Signal Service observations during the past ten years, and the actual rainfall during the current month, with excess or deficiency as compared with the average.

There has been a deficiency of rainfall in the Gulf states, the middle, and New England states; the greatest deficiency being in the Gulf states, where it ranged from 1.55 to 1.90 inches. In the northwest and lake region, and in the states north of the Ohio river, there has been an excess of rainfall, the region of greatest precipitation being in the states of the upper Mississippi valley. On the Pacific coast, the rainfall has been slightly below the average for the month, except in southern California, where it has been slightly in excess, although the average rainfall in that section was less than 0.2 of an inch.

DEVIATIONS FROM AVERAGE PRECIPITATION.

Under this heading departures exhibited by the reports from the regular Signal Service stations, are shown in the table of comparative monthly rainfalls (as published in the lower left-hand corner of chart iii.) The following items of importance, in connection with this subject, are reported by voluntary observers:

Illinois: Riley, monthly rainfall 4.42 inches, or 0.32 inch more than the June average of the past twenty-one years.

Iowa: Clinton, monthly rainfall 9.05 inches, or about 2.50 inches more than the June average.

Kansas: Yates Centre, monthly rainfall 8.24, or 4.42 inches more than the average of the past two years. Total precipitation for six months ending June 30th, is 7.13 inches more than the average of the corresponding period for the past two years. Wellington, monthly rainfall 3.62 inches or 0.78 inch below the average of past three years.

Maine: Gardiner, monthly rainfall 4.25 inches, or 1.02 inches more than the June average of the past forty-six years.

Maryland: Fallston, monthly rainfall 2.32 inches, or 1.43 inches less than the June average of the past eleven years. During that period the largest June rainfall, 7.86 inches, occurred in 1881; the smallest, 1.05 inches, occurred in 1873.

Missouri: Saint Louis, "Missouri Weather Service," reports: "The monthly rainfall was greatest in the northeastern, and least in the southwestern counties. At Saint Louis the monthly rainfall was a little more than two-thirds of the average June rainfall."

New York: North Volney, monthly rainfall 3.33 inches, or 0.18 inch more than the June average for the past nine years. Palermo, monthly rainfall 2.90 inches. The largest June rainfall that has occurred since 1859, 8.80 inches, occurred in 1865; the smallest, 0.70 inch, occurred in 1864 and 1870. Hector, amount of rainfall for the year ending June 30, 1882, is 23.75 inches.

Virginia: The following record, furnished by Mr. Howard Shriver, of Wytheville, shows the monthly and annual precipitations, with the monthly averages for a number of years:

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1860	3.1	3.6	3.3	3.6	3.4	3.1	4.1	3.7	2.6	9.4	4.3	4.4	47.0
1861	6.8	5.3	2.3	3.6	3.6	3.2	8.1	3.1	6.3	6.3	4.3	0.2	61.1
1862	4.6	8.0	4.0	6.5	3.2	5.9	4.6	3.2	0.3	2.8	0.5	1.1	44.7
1868	3.1	1.7	2.3	3.3	3.8	2.6	6.6	3.4	4.3	2.6	1.3	3.2	38.2
1869	2.2	2.8	3.2	1.9	4.4	2.0	2.8	2.6	4.2	2.7	1.6	4.1	34.4
1870	3.3	3.0	4.3	2.8	2.3	5.5	2.5	7.6	1.3	2.8	1.5	1.4	37.6
1871	2.3	2.8	4.0	3.3	4.7	3.2	1.7	3.4	3.4	1.7	1.6	6.0	38.1
1872	1.5	2.1	3.3	4.0	6.7	4.9	2.3	2.5	2.4	1.7	1.5	2.9	34.8
1873	3.8	6.4	3.0	3.4	7.3	2.8	2.2	6.3	2.5	2.2	2.5	3.1	43.5
1874	2.7	3.9	2.7	6.2	1.1	3.8	5.6	2.7	5.7	1.1	3.2	1.2	39.9
1875	3.1	4.0	6.5	4.0	0.5	9.1	7.8	4.6	2.4	0.6	3.8	2.7	49.0
1876	2.1	3.0	2.0	0.8	3.4	4.0	2.7	2.6	4.5	1.9	6.4	1.0	33.1
1877	4.0	0.3	5.7	5.4	3.0	4.0	4.1	1.9	3.3	3.9	7.1	4.1	46.8
1878	6.7	2.7	3.2	4.3	6.0	2.9	6.4	3.8	8.3	3.2	3.8	3.2	52.6
1879	4.4	2.4	1.5	2.6	6.1	2.0	2.8	4.6	1.8	5.2	1.1	6.4	38.9
1880	1.6	2.6	6.6	3.9	2.3	2.4	4.4	4.8	3.7	1.8	3.4	2.4	39.1
1881	2.3	3.2	2.0	2.3	0.9	3.4	4.1	2.0	6.7	3.4	2.6	4.1	36.1
1882	7.1	5.1	3.2	2.8	4.5	5.6							
Means.	3.47	3.44	3.45	3.59	3.57	3.92	4.28	3.68	3.63	3.10	2.91	2.97	41.46

West Virginia: Helvetia, monthly rainfall 8.27, or 2.65 inches more than the June average of the past six years.

Table of Special Heavy, Largest and Smallest Monthly Rainfalls.

STATION.	SPECIAL HEAVY.			Largest Monthly.	SMALLEST MONTHLY.	
	Date.	Amt.	Duration	Amount, Inches.	STATION.	Amt.
Alabama.		inch.			Alabama.	in's.
Mt. Vernon Barracks.....	21	2.00	2 hrs.	14.41	Talladega.....	0.10
Birmingham.....	19	6.00			Calera.....	0.13
Arkansas.					Arizona.	
Madison.....	19	3.03			Mammoth Tank.....	0.00
Canada.					Maricopa.....	0.00
Chatham, N. B.....				6.77	Texas Hill.....	0.00
Charlottetown, P. E. I.....				6.15	Yuma.....	0.05
Connecticut.					San Simon.....	0.21
New London.....	24	1.69	1hr.30m.		Prescott.....	0.47
Dakota.					Arkansas.	
Smithville.....	26	2.53		9.59	Brinkley.....	0.06
Fort Sisseton.....				7.42	California.	
Olivet.....				6.69	Presidio.....	0.00
Fort Stevenson.....				6.07	Oakland.....	0.00
Florida.					Pleasanton.....	0.00
Cedar Keys.....				9.56	Livermore.....	0.00
Punta Rasa.....	11	6.31		8.48	Tracy.....	0.00
Waldo.....				8.43	Lathrop.....	0.00
Fort Barrancas.....	8 and 9	2.64	19 hrs.		Stockton.....	0.00
Key West.....	11	2.36	3hrs.40m.		Galt.....	0.00
Pensacola.....	23	1.48	30 min.		Summit.....	0.00
Georgia.					Ohio.....	0.00
Way Cross.....				10.63	Redding.....	0.00
Savannah.....	29 and 30	3.53		7.95	Turlock.....	0.00
Toccoa.....	25	2.85		7.88	Merced.....	0.00
Macon.....				7.78	Borden.....	0.00
Griffin.....				7.08	Fresno.....	0.00
Madison.....				6.62	Kingsburg.....	0.00
Atlanta.....	16	1.45	1hr.10m.		Martinez.....	0.00
Illinois.					Byron.....	0.00
Springfield.....	2	3.61		12.71	South Valejo.....	0.00
Peoria.....				11.18	Suisun.....	0.00
Morrison.....				10.08	Davis.....	0.00
Champaign.....				9.93	Napa.....	0.00
Charleston.....				7.70	Calistoga.....	0.00
Elmira.....				6.23	Woodland.....	0.00
Rockford.....	24	1.40	1 hr.		Goshen.....	0.00
Indiana.					Tulare.....	0.00
Indianapolis.....	16	1.40	30 min.	9.35	Delano.....	0.00
Lafayette.....				9.10	Mojave.....	0.00
Logansport.....	13	3.45	1hr.40m.	8.89	Newhall.....	0.00
Saint Meinrad.....				6.75	San Fernando.....	0.00
Yevay.....				6.63	Spadra.....	0.00
New Corydon.....				6.17	Whitewater.....	0.00
Indian Territory.					Indio.....	0.00
Fort Supply.....	12	3.10			Anaheim.....	0.00
Iowa.					Petaluma.....	0.00
De Moines.....	10	3.51		12.16	Point San Jose.....	0.00
do.....	28	2.75			Niles.....	0.00
Keokuk.....				9.75	Antioch.....	0.00
Logan.....	11	3.30		9.90	Lemoore.....	0.00
do.....	29	8.10			Los Angeles.....	0.00
Clinton.....				9.05	Beneta Barracks.....	0.02
Fort Madison.....				8.75	San Francisco.....	0.04
Davenport.....				8.43	Ione.....	0.04
Muscatine.....				8.25	Sumner.....	0.05
Ames.....				7.43	San Diego.....	0.07
Dubuque.....				6.29	Poway.....	0.09
Cresco.....	24	2.50	9 hrs.	6.10	Alcatraz Island.....	0.10
Nora Springs.....	24	1.50	1 hr.		Keene.....	0.10
Le Claire.....	25	4.25			Sacramento.....	0.10
Kansas.					Tuohy's Rancho.....	0.10
Yates Centre.....	14 and 15	2.54	14 hrs.	8.24	Dunnigan.....	0.12
Maine.					Colfax.....	0.13
Eastport.....				6.53	Farmington.....	0.13
Maryland.					Red Bluff.....	0.15
Sandy Springs.....	19	1.07	30 min.		Tehachapi.....	0.15

Table of Special Heavy, Largest and Smallest Monthly Rainfalls—Continued.

STATION.	SPECIAL HEAVY.			Largest Monthly.	SMALLEST MONTHLY.	
	Date.	Amt.	Duration	Amount, Inches.	STATION.	Amt.
Massachusetts.					Knight's Landing...	0.16
Springfield.....	4	1.88	2 hrs.		Williams.....	0.17
Michigan.					Modesto.....	0.19
Northport.....	3 and 4	3.15	21 hrs.	13.60	Salinas City.....	0.19
do.....	14	2.60	4hrs.50m.		Ravena.....	0.25
do.....	18	2.40	1hr.50m.		Rocklin.....	0.25
do.....	30	2.80			Campo.....	0.26
Battle Creek.....	25	3.00	1 hr.	8.00	Willows.....	0.27
Hastings.....				6.90	Auburn.....	0.28
Alpena.....				6.66	Fort Gaston.....	0.28
Port Huron.....				6.34	Tehama.....	0.28
Thornville.....	14	2.35	13 hrs.	6.22	Brighton.....	0.31
Escanaba.....				6.16	Fort Bidwell.....	0.38
Grand Haven.....				6.05	Cisco.....	0.48
Coldwater.....	25	2.00	2hrs.15m.		Colton.....	0.50
Minnesota.					Georgia.	
Duluth.....	17 and 18	2.64		6.72	Gainesville.....	0.21
Mississippi.					Idaho.	
Meridian.....	22	3.01		6.76	Coeur d'Alene.....	0.16
Lake.....	16	3.00			Lewiston.....	0.36
Missouri.					Mississippi.	
Protem.....	11	1.90	50 min.	7.14	Okalona.....	0.31
Nebraska.					Vicksburg.....	0.40
Fremont.....				7.61	Grenada.....	0.50
De Soto.....				7.31	Nevada.	
Omaha.....	25	3.38	3hrs.10m.		Boca.....	0.00
New Hampshire.					Wadsworth.....	0.00
Mt. Washington.....	1	2.80		11.40	Beowawe.....	0.10
New Jersey.					Toano.....	0.10
Paterson.....				9.00	Tecoma.....	0.16
New York.					Carlin.....	0.20
Troy.....				8.64	Elko.....	0.20
North Carolina.					Reno.....	0.20
New River Inlet.....				6.27	Wells.....	0.25
Murphy.....				6.05	Halleck.....	0.27
Kittyhawk.....	15	1.00	40 min.		Fort McDermitt.....	0.28
Ohio.					Otega.....	0.37
College Hill.....				9.75	Humboldt.....	0.49
Pennsylvania.					New Mexico.	
Franklin.....				7.88	Denning.....	0.43
Pittsburgh.....	16	1.44	1hr.15m.		Oregon.	
South Carolina.					Umatilla.....	0.17
Charleston.....	18	3.25	3hrs.35m.	9.12	Albany.....	0.41
Jacksonborough.....				6.44	Texas.	
Tennessee.					Austin.....	0.00
Corinth.....	19	2.94			Orange.....	0.00
Galveston.....	6 and 7	5.62		6.16	Longview.....	0.02
Concho.....	13	1.47	1hr.40m.		Tyler.....	0.09
Vermont.					San Antonio.....	0.11
Newport.....				6.49	Belton.....	0.16
Virginia.					Luling.....	0.27
Fort Monroe.....	16	2.84	4 hrs.		Fredericksburg.....	0.30
West Virginia.					Beaumont.....	0.35
Helvetia.....				8.27	Uvalde.....	0.38
Wisconsin.					College Station.....	0.40
Madison.....				7.76	Hearne.....	0.42
Beloit.....				6.51	Waco.....	0.50
Embarrass.....				6.40	Utah.	
					Kelton.....	0.00
					Terrace.....	0.06
					Washington.	
					Almota.....	0.01
					Colfax.....	0.12
					Pomeroy.....	0.27

The following table shows the least and greatest numbers of rainy and cloudy days and percentages of mean relative humidity as reported from the various districts during the month:

Table of rainy and cloudy days and relative humidity for June, 1882.

Districts.	Rainy days		Cloudy days.		Relative humidity.	
	From	To	From	To	Percentages.	
New England.....	9	17	2	11	From 62.1 to 82.2	
Middle Atlantic states.....	7	22	1	12	65.6	80.6
South Atlantic states.....	9	15	1	8	60.6	80.1
Florida peninsula.....	9	14	2	9	65.3	75.3
East Gulf states.....	4	16	1	6	62.8	78.6
West Gulf states.....	3	8	1	4	67.1	79.6
Rio Grande valley.....	2	7	2	7	60.6	81.1
Ohio valley and Tennessee.....	12	22	1	14	65.0	75.2
Lower lake region.....	13	19	4	11	65.1	70.6
Upper lake region.....	10	20	3	10	62.6	77.3
Extreme northwest.....	9	17	4	10	67.5	73.5
Upper Mississippi valley.....	12	23	9	18	68.8	82.0
Missouri valley.....	11	20	3	14	67.0	74.6
Northern slope.....	6	17	2	11	57.1	74.8
Middle slope.....	4	18	4	7	56.0	81.7
Southern slope.....	4	10	1	5	37.0	63.8
Southern plateau.....	3	11	1	6	35.4	49.8
Middle plateau.....	8	9	3	7	39.1	42.2
Northern plateau.....	4	14	0	9	44.8	63.8
North Pacific coast region.....	8	11	7	11	62.1	71.7
Middle Pacific coast region.....	1	4	0	6	41.0	78.5
South Pacific coast region.....	1	3	1	9	37.6	71.0

SNOW.

Snow has been reported by the following stations: Lansing, Michigan, 4th; Wytheville, Virginia, 5th, light spitting snow, lasting a few minutes; Milwaukee, 3d; Pike's Peak, 2d, 3d, 4th, 5th, 7th, 8th, 10th, 12th, 13th, 15th; Mount Washington, 2d, 3d, 5th; Burlington, Vermont, 1st, summits of mountains covered with snow; 12th, 20th and 21st, summit of Mount Marcy covered with snow.

HAIL.

Kittyhawk, North Carolina, 28th: Severe hail storm, doing great damage to crops in this locality; hail-stones as large as walnuts.

Laredo, Texas, 8th: Severe hail storm from 6.20 to 7.25 p. m.; all windows of northern exposure were broken; hail-stones of enormous size fell, (some of them weighing one pound) and drifted in places to a depth of six inches. Great damage was done by the breaking of sky-lights in stores, exposing goods to the violence of the storm.

Dubuque, Iowa, 16th: For thirteen minutes, commencing at 2.54 p. m., the largest and most destructive hail-stones fell that were ever seen at this place. The hail-stones measured from one to seventeen inches in circumference; the largest weighing one pound and twelve ounces. Washington park was literally covered with hail-stones as large as lemons, and large basketfuls could be gathered in a few minutes. They exhibited diverse and peculiar formations, some being covered with knobs and icicles half an inch in length; others were surrounded by rings of different colored ice with gravel and blades of grass imbedded within them. The foreman of the Novey Iron Works, of this city, states that in two large hail-stones, melted by him, were found small living frogs. A number of persons were severely cut and bruised by the falling hail-stones. The damage inflicted is estimated at \$5,000. One florist lost 2,387 panes of glass. Hundreds of windows of south and west exposure were broken, including twenty windows of heavy French plate glass. Railroad men report that hail fell at 2 p. m., at McGregor, forty miles northwest. No hail fell on the eastern side of the Mississippi, or at Julien, six miles west of this city.

Cairo, Illinois, 27th: During the violent storm, a description of which will be found elsewhere in the REVIEW under the head of "local storms", considerable large hail fell along the centre of the storm north of this station.

La Crosse, Wisconsin, 27th: Large quantities of hail fell along the track of the tornado (see local storms) of this date.

Omaha, 25th: Hail-stones measuring one-eighth of an inch in diameter fell for twenty-five minutes during storm.

Huron, Dakota, 23d: Storm accompanied by destructive hail.

Helena, Montana, 8th: During storm hail-stones fell measuring one inch in diameter.

West Las Animas, Colorado, 11th: Heavy shower of hail lasting thirty minutes; hail-stones measuring three-eighths of an inch in diameter fell, breaking much window glass.

Morrison, Illinois, 16th: Destructive hail storm reported to have occurred near Lyndon in this state.

Anna, Illinois, 18th: Severe hail storm; hail-stones three-fourths of an inch in diameter, breaking much glass.

Worcester, Massachusetts, 4th: A heavy hail storm occurred a few miles north of this city.

Thornville, Michigan, 8th: Considerable damage done to corn and wheat fields and gardens by hail. The track of the storm was about one mile in width. On the 18th, a hail storm occurred in the township of Goodland, in this state. Several wheat fields were entirely destroyed. Hail-stones fell weighing two ounces.

Protem, Missouri, 11th: Hail storm causing great damage to the wheat crop and fruit. The hail-stones were about two-thirds as large as hen's eggs, and were of irregular shapes.

Freehold, New Jersey, 4th: Destructive hail storm occurred between 9.20 and 10.15 p. m., over a strip of country lying to the east of this place. The path of the storm was about thirty miles in length and half a mile in width. 25th: severe storm

accompanied by hail, consisting mostly of jagged and broken ice; some specimens measuring one and three-eighths inches in length and half an inch in thickness.

Weldon, North Carolina, 4th: During severe storm, hail-stones as large as hen's eggs fell.

Fallsington, Pennsylvania, 25th: Hail storm at 5 p. m., during which the temperature fell 16° in a few minutes; some of the hail-stones were an inch and a half in length and of irregular shapes.

Sydney, Nebraska, 14th: Heavy storm accompanied by hail of remarkable size, destroying much window glass.

Hail storms of less violence have occurred in the various states and territories as follows:

Arizona: Yuma, 18th.

Colorado: Fort Lewis, 12th.

Dakota: Fort Meade, 12th; Bismarck, 12th, 30th; Rapid City, 15th; Fort Hale, 17th; Fort Stevenson, 21st; Wicklow, 24th.

Georgia: Atlanta, 17th; Augusta, 18th; Savannah, 29th.

Illinois: Swanwick, 21st; Rockford, 24th.

Indiana: Saint Meinrad, 26th.

Iowa: Clinton, 16th; Guttenburg, 16th, 24th; Nora Springs, 17th, 21st; Burlington, 18th; Des Moines and Independence, 22d.

Kansas: Yates Centre, 14th, 15th.

Maine: Gardiner, 9th.

Maryland: Baltimore, 19th.

Massachusetts: Worcester, 4th; Boston, 5th.

Michigan: Thornville, 8th; Port Huron, 14th, 18th; Litchfield, 15th.

Missouri: Protem, 2d, 15th.

Montana: New Chicago, 9th; Terry's Landing, 20th, 28th; Fort Shaw, 23d; Forts Custer and Ellis, 28th.

Nebraska: Fremont, 17th; Fort Niobrara, 20th; Genoa, 23d.

Nevada: Winnemucca, 9th; Fort McDermitt, 11th; Carson City, 14th; Pioche, 28th.

New Hampshire: Grafton, 19th.

New Jersey: Freehold, 4th, 25th; Readington, 15th; Cape May, 19th; Paterson, 20th.

New York: North Volney, 2d, 15th; Palermo, 2d; Troy, 4th; Oswego and Rochester, 19th.

Ohio: Cleveland, 4th; Cincinnati, 16th.

Oregon: Portland and Umatilla, 18th.

Pennsylvania: Dyberry, 6th, 17th.

South Carolina: Charleston, 15th.

Tennessee: Memphis, 12th; Chattanooga, 17th; Murfreesboro', 18th; Nashville, 22d; Knoxville, 28th.

Texas: Henrietta, 2d; Laredo, 8th; Eagle Pass, 13th.

Vermont: Lunenburg, 9th.

Washington territory: Dayton and Spangle, 20th.

West Virginia: Morgantown, 19th.

SLEET.

Sleet was reported as follows: On summit of Mount Washington, 2d; Pike's Peak, 1st, 2d, 3d, 7th to 11th, 18th, 19th, 27th.

COTTON REGION REPORTS.

The following table gives the average rainfall, mean of maximum and mean of minimum temperatures, in each of the cotton districts, as shown on chart vi. issued with the April REVIEW.

Meteorological Record for the Cotton Districts for the month of June, 1882.

DISTRICTS.	Average rainfall in inches.	Mean of the maximum.	Mean of the minimum.
New Orleans	2.43	90.6	72.5
Savannah	4.97	89.9	70.4
Charleston	4.88	89.9	67.5
Atlanta	3.85	88.6	64.8
Wilmington	1.97	90.0	66.2
Memphis	2.89	90.4	67.0
Galveston	0.80	92.7	70.0
Vicksburg	1.44	91.2	68.5
Montgomery	3.49	91.5	69.4
Augusta	4.08	90.5	67.6
Little Rock	1.38	91.3	64.2
Mobile	2.60	94.8	68.8